

Title (en)

Performance and status monitoring in a computer network.

Title (de)

Leistungs und Zustandsüberwachung in einem Rechnernetz.

Title (fr)

Surveillance de la performance et de l'état dans un réseau d'ordinateurs.

Publication

**EP 0666667 A3 19990623 (EN)**

Application

**EP 95300331 A 19950119**

Priority

GB 9402380 A 19940208

Abstract (en)

[origin: EP0666667A2] Provided is a method and a system for computer network monitoring, implemented in a network in which processes communicate using message queuing. Each node of the network has a network management program installed thereon which includes two independent components: a Point Of Control (POC) program for initiating network tests by injecting a test message into the network and for receiving responses from all the nodes of the network; and a Network Test Program (NTP) for sending a reply message to the single POC for a particular test when the NTP receives test messages within that test, and for propagating the test by forwarding a message to all of the current node's adjacent nodes. Test results are analysed at the POC for display to the network administrator. Injected test messages propagate throughout the network in a self-exploring manner, exploiting the parallelism of the network. The individual nodes are not required to know the network topology other than to know their nearest neighbour nodes. <IMAGE>

IPC 1-7

**H04L 12/26**

IPC 8 full level

**G06F 13/00** (2006.01); **H04L 12/26** (2006.01); **H04L 12/58** (2006.01)

CPC (source: EP US)

**G06F 11/0715** (2013.01 - EP US); **H04L 43/50** (2013.01 - EP US)

Citation (search report)

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